

HF Happenings 320

September 08

HF Happenings via Yahoo Groups HF_Happenings-subscribe@yahoogroups.com

South African Radio League Suid-Afrikaanse Radioliga
Member Society of the International Amateur Radio Union Region 1



WELCOME TO



CAPE TOWN
& Western Cape

Greetings from the Western Cape

This issue of HF Happenings comes to you from the Cape of Storms, where I am involved with the 2008 African Aerospace and Defence show at AFB Ysterplaat – showing off the Olifant Main Battle Tank and Rooikat Armoured Car (and other military hardware). I would normally refer to the Fairest Cape, but we had rain, wind and cold weather the past week with only had 3 nice days since arriving on 11 September. However, it is great to see a different part of South Africa! I have also met a number of radio hams here at the show – military and civilian. Dennis, ZS4BS/1

Remember the SARL VHF/UHF Contest this weekend – see page 7 or read the 2008 SARL Contest Manual.

World Wide DXpedition Trophy

Powered by Strange Radio Team. As you probably know, we have made a survey on our website for the WWDXT 2008. We have received several replies concerning the 48 different DXpeditions that have been considered interesting by our readers.

Among those 48 different DXpeditions, 16 have received much more positive comments and we will ask you to cast for one of them. You still have 15 days to vote for your Best DXpedition, visit www.strangeradioteam.com/wwdxt/index.asp. VOTE NOW!

Blockhouse Sprint – 24 September

Aim. To stimulate activity on 40 m and to promote public relations with respect to Anglo Boer War heritage sites on Wednesday 24 September 2008, starting at 13:00 CAT and ending at 15:00 CAT.

Only frequencies in the segment 7,000 to 7,020 MHz for CW and 7,050 to 7,090 MHz for phone may be used. A maximum of 100 W output power is allowed.

The exchange is your call sign, RS(T) signal report, a serial number commencing with 001 and grid locator (6-digit). Blockhouses sign /B, other heritage sites sign /H. Participation as either a Single Operator or a Multi Operator station.



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September

5 Casual Day
6/7 IARU R1 SSB Field Day
11 Closing date RAE entries
13 Radio Technology in Action, Gauteng; Churches and Chapels on the Air
14 Spring QRP Contest
15 Closing date HF CW logs
16 World Ozone Day
20/21 SARL VHF/UHF Contest; SAC CW
22 Spring Equinox
24 Heritage Day and Blockhouses on the Air
26 Schools close
27/28 SAC SSB; CQ WW DX RTTY
29 Closing date Spring QRP logs
30 Closing date IARU R1 SSB Field Day logs

CW scoring - 20 points for every contact with a station at South African Block House; 10 points for every contact with a station at a different Boer War Heritage site and 4 Points for every other station.

Phone Scoring - 10 points for every contact with a station at South African Block House; 5 point for every contact with a station at a different Boer War Heritage site and 2 points for every other station. Single operator may multiply final points by 3 and a Multi operator may multiply final points by 2.

The sponsor is the Sasolburg Amateur Radio Club, ZS4SRK, PO Box 3493, Vanderbijlpark, 1911 and e-mail: rmschoeman@telkomsa.net. Closing date for you log submission is 9 October 2008.

Top three scores will receive a certificate and a graphical plot of contacts made from that particular station.

African DX

[Islands around Africa do not count for the SARL All Africa Award](#)

Tanzania, 5H (IOTA Op). Arno, DL1CW, is now active as 5H3AP. The length of his stay is unknown. He has been very active on 30 and 17 metres usually operating CW and RTTY. Reports indicate he will activate Mafia Island (AF-054) between 22 September and 1 October. QSL via his home call sign, the DARC Bureau is preferred.

Malawi, 7Q. QSL Manager Allan, G0IAS, informs that Harry, 7Q7HB (G0JMU), at last has his brand new radio shack completed. He has a new telescopic tilt-over, free standing lattice mast installed, and a new A4S antenna at the top. However, Allan states, "It's been MONTHS of hard work.... now only to find that the rotator is broken beyond repair. So he has fastened the A4 beaming north for the time being." Harry is expected to stay here until 1 November and then return to England. He will take another rotator down to the southwest shore of Lake Malawi, at "Club Makokola", on his next visit. Remember, the QSL route for 7Q7HB is as always "DIRECT ONLY" to G0IAS (NO BUREAU... Allan is not a member of the RSGB, so he is NOT allowed to use the BUREAU in the UK and there is NO Bureau in Malawi). If anyone has any questions for Allan, his e-mail is good on QRZ.com and is allan.g0ias@btinternet.com. Allan will answer any E-mails within a couple of hours.

Botswana, A2. To the delight of many lowband DXers, team leader Sigi, DL7DF, chose Botswana as his next destination. Sigi will be accompanied by his friends Manfred, DK1BT, Wolfgang, DL4WK, Andy, DL5CW, Frank, DL7UFR and Leszek, SP3DOI. The team will be active with two stations at the same time in CW and SSB on 10 - 160 m plus another one reserved only for the digital modes RTTY, PSK31 and SSTV between 23 Sep and 6 Oct. Their call sign will be A25/DL7DF, pilot stations will be Bernd, DF3CB, and Floyd, N5FG. As usual the QSL cards should be sent to DL7DF direct or via bureau. Updates can be found online at www.dl7df.com/a25

Morocco, CN. Gab, HA3JB, will activate the new call sign CN21PA of the "International Police Association" from 21 Sep until 5 Oct. Gab will work in CW, RTTY, PSK, SSTV and some SSB and plans to take part in the CQ DX RTTY Contest. QSLs should be sent via his home call and count for the I.P.A. award. See also www.qsl.net/ha3jb

Madagascar, 5R (AF-090). The OPs Jack, F1BCS, Jim, F1HDI, Gil, F5JBE, Remy, F6ABJ, Mickael, F6COW, Oliver, F6EIE and Dan, F6EPD, are going on DXpedition to the



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island Sainte Marie (AF-090) from 18 – 27 Sep. They will work on SSB, CW, SSTV, PSK31, RTTY and JT65 on 2 – 160 m using the calls: 5R8GM - SSB, 5R8JM - CW, 5R8IM - digital modes and 5R8EM for 144 MHz EME operation. 5R8GM will work on SSB mostly on the IOTA frequencies. QSL manager for all calls is Salomon, F1BCS, and he confirms direct, via bureau, LoTW or eQSL.

Swaziland, 3DA – Jamboree on the Air. David G14FUM / EI4DJ says, "I am running a DXpedition to Swaziland during October to revisit the Hawane site that the Irish Radio Transmitters Society AFRI 75 DXpedition were so successful from in CQ WPX SSB - March 2007. We ran a multi two station and made over 9 million points that weekend. We will be operating as 3DA0JOTA for Jamboree on the Air over 18th & 19th October. We will have a group of 20 Swazi scouts camping with us that weekend. It will be their first experience of JOTA. The following weekend I will be operating as 3DA0DJ in CQ WW SSB. We will be using the same antenna farm as used by the AFRI 75 DXpedition, which includes a four square on 40 m, verticals for 80 m and top band and a log periodic on the higher bands. There may also be activity on AO-51. The station will comprise a FT1000 plus 1 kW linear on HF. We expect to have four or five operators. The call sign 3DA0DJ will be active on HF bands from 18th until 28th October. QSL via G14FUM - see 3DA0DJ details on QRZ.com.

PS I am looking for sponsorship to cover the camping fees of the 20 Swazi scouts for the JOTA weekend. This will be their introduction to the wonderful world of ham radio, electronics and the internet."

Pathfinder Online

Dave, AA6YQ, has updated "Pathfinder Online" to access call books for 74 DXCC countries: 3A, 4S, 4X, 5Z, 9A, 9M2, 9M6, A9, BV, BY, C3, CE9, CX, DL, DU, E7, EI, EP, ER, ES, EW, EY, F, FR, GU, HC, HL, HS, I, J7, JT, K, LA, LX, LY, LZ, OA, OD, OE, OH, OL, OM, ON, OZ, P2, P4, PY, R1F, R1M, S2, S5, S7, SM, SP, SU, SV, SV9, T7, TA, TF, TR, UA, UA0, UA2, VE, VK, VP9, VU, YL, YN, YO, Z3, ZL, and ZS.

In addition, striking the Enter key in the "Target Call sign" box invokes the most recent search. Dave states, "The maintainers of these call books do occasionally re-host them or change their access mechanisms; if you notice a call book being inaccessible for more than a week, please post a message here (DX-QSL or DX-IS mail reflectors), so I can see what's going on. Thanks..."

To use "Pathfinder Online," navigate to www.dxlabsuite.com/pathfinder/WebClient and type a call sign into the "Target Callsign" box, and click search buttons.

Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 15 to 22 September 2008

YLRL Howdy Days
14:00 UTC 18 Sep to 02:00 UTC 20 Sep
Mode: CW/RTTY, SSB
Bands: Any
Classes: (none)
Max operating hours: 24
Max power: CW: 750 Watts; SSB: 1500

Watts
Exchange: YLRL Member?: Yes/No
Work stations: Once per band per mode
QSO Points: 1 point per QSO with non-member; 2 points per QSO with YLRL member
Multipliers: (none)



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Score Calculation: Total score = total QSO points

Submit logs by: 20 October 2008

E-mail logs to:

annettewood[at]oh[dot]rr[dot]com

Mail logs to: Annette Wood, KC8SQM, 6167 Oakwood Circle, North Ridgeville, OH 44039, USA

Find rules at: www.ylrl.org/ylcontests.html

NCCC Sprint

02:30 - 03:00 UTC 19 Sep

Mode: (see rules)

Bands: (see rules)

Classes: (none)

Exchange: (see rules)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 21 September 2008

E-mail logs to: (none)

Post log summary at:

www.hornucopia.com/3830score/

Mail logs to: (none)

Find rules at: www.ncccsprint.com/rules.htm

Colorado QSO Party

10:00 UTC 20 Sep to 04:00 UTC 21 Sep

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10 and VHF/UHF

Classes: Single Op - CW, Phone, Digital or Mixed - QRP, Low or High; Multi-Single - CW, Phone, Digital or Mixed - QRP, Low or High; Multi-Multi - CW, Phone, Digital or Mixed - QRP, Low or High; Mobile Single Op - CW, Phone, Digital or Mixed - QRP, Low or High; Mobile Single Op and Driver - CW, Phone, Digital or Mixed - QRP, Low or High; Mobile Multi-Op - CW, Phone, Digital or Mixed - QRP, Low or High; School - CW, Phone, Digital or Mixed - QRP, Low or High
Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts

Exchange: CO: Name and county; W/VE: Name and state or province; DX: Name and DXCC prefix

Work stations: Once per band per mode per CO county

QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO; Double QSO points for countries outside of W/VE



Multipliers: CO Stations: Each state, VE province, DXCC country, maritime region once per mode; Non-CO: Each county once per mode

Power: High: x1, Low: x2, QRP: x3

Score Calculation: (see rules)

Submit logs by: 20 October 2008

E-mail logs to: coqlogs[at]ppraa[dot]org

Mail logs to: Colorado QSO Party, PO Box 16521, Colorado Springs, CO 80935-6521, USA

Find rules at:

www.ppraa.org/coqp/2008%20COQP%20Rules%208-4%2010-10-7.pdf

Scandinavian Activity Contest CW

12:00 UTC 20 Sep to 12:00 UTC 21 Sep

Mode: CW

Bands: 80, 40, 20, 15 and 10 m

Classes: Single Op Single Xmtr - QRP, Low or High; Single Op Single Band; Multi-Single; Multi-Multi; SWL

Exchange: RST and Serial No

Work stations: Once per band

QSO Points: Scandinavian: 2 points per QSO with EU; Scandinavian: 3 points per QSO with non-EU; EU: 1 point per QSO with Scandinavian station; non-EU: 1 point per QSO with Scandinavian station on 20, 15, 10 m; non-EU: 3 points per QSO with Scandinavian station on 80, 40 m

Multipliers: Scandinavian: Each DXCC country once per band; non-Scandinavian: Each Scandinavian call area once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 31 October 2008

E-mail logs to: saccw[at]ssa[dot]se

Mail logs to: SACCW, Jan-Eric Rehn, SM3CER, Finstavagen 26, 7 tr., SE-863 31 Sundsbruk, Sweden

Find rules at:

www.sk3bg.se/contest/sacnsc.htm

CI S DX RTTY Contest

12:00 UTC 20 Sep to 12:00 UTC 21 Sep

Mode: RTTY

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: Single Op - High or Low; M/S

Max power: HP: >100 watts; LP: 100 watts



Exchange: CIS: RST and CIS area code; non-CIS: RST and QSO No

QSO Points: 1 point per QSO with same country; 2 points per QSO with different country same continent; 3 points per QSO with different continent; non-CIS Stations: 5 points per QSO with CIS station

Multipliers: Each DXCC country once per band; Each CIS area once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 21 October 2008

E-mail logs to: [ut7fp\[at\]srars\[dot\]org](mailto:ut7fp[at]srars[dot]org)

Mail logs to: CIS DX Contest Committee, PO Box 7469, Glasgow, G42 0YD, Scotland, UK

Find rules at: www.cisdxc.srars.org/cisdxc.pdf

SEDXC 50th Anniversary Contest

12:00 - 18:00 UTC 20 Sep and 18:00 - 24:00 UTC 21 Sep

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10 and 6 m

Classes: SEDXC Member; Non-Member

Exchange: RS(T) and name

Work stations: Once per band per mode

QSO Points: 1 point per QSO

Multipliers: Each band/mode combination with at least one QSO

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 1 October 2008

E-mail logs to: [sedxc50\[at\]sedxc\[dot\]org](mailto:sedxc50[at]sedxc[dot]org)

Mail logs to: WB4SQ, 730 Wickerberry Knoll, Roswell, GA 30075, USA

Find rules at: www.sedxc.org/50thcontest

South Carolina QSO Party

13:00 UTC 20 Sep to 21:00 UTC 21 Sep

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10 and VHF/UHF

Classes: SC Fixed; SC Mobile; Out of State

Exchange: SC: Serial No and County; non-SC: Serial No and state, province or country

Work stations: Once per band per mode per county

QSO Points: 1 point per phone QSO; 2 points per CW QSO; 3 points per digital QSO

Bonus: 300 pts for contact with N2ZZ; Bonus: 300 pts for contact with KF4GHC;

Maximum of 300 bonus points



Multipliers: Each SC county once

Power: <5W X5, 5-150W X2, >150W X1

Score Calculation: Total score = (total QSO points x county mults x power mult) and bonus points

Submit logs by: 18 October 2008

E-mail logs to: (none)

Mail logs to: CARC - SC QSO Party Entry, PO Box 595, Columbia, SC 29202-0595, USA

Find rules at:

<http://carc.ham-radio-op.net/scqp/scqsoweb2008.shtml>

SRT HF Contest SSB

13:00 UTC 20 Sep to 13:00 UTC 21 Sep

Mode: SSB

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: Single Op (High/Low); Multi-Single (High/Low); SWL

Max power: High: >150 watts; Low: 150 watts

Exchange: RS and CQ Zone

Work stations: Once per band

QSO Points: 1 point per QSO with different country, same continent; 3 points per QSO with different continent

Multipliers: Each CQ zone once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 15 November 2008

E-mail logs to: [francoik8wej\[at\]virgilio\[dot\]it](mailto:francoik8wej[at]virgilio[dot]it)

Mail logs to: (none)

Find rules at:

www.strangeradioteam.com/SRT-HF-SSB-eng.asp

QRP Afield

15:00 UTC 20 Sep to 03:00 UTC 21 Sep

Mode: All

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: (none)

Exchange: RS(T), state, province or country and power or NE QRP No

Work stations: Once per band per mode

QSO Points: 1 point per QSO if using >5W and permanent location; 2 points per QSO if using >5W and field/mobile location; 5 points per QSO if QRP and permanent location; 10 points per QSO if QRP and field/mobile location



Multipliers: Each state, province, country once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 20 October 2008

E-mail logs to: k1cl[at]arri[dot]net

Mail logs to: Chuck Ludinsky, K1CL, 6 Pracing Rd, Chelmsford, MA 01824-1922, USA

Find rules at:

<http://newenglandgrp.org/afield>

Washington State Salmon Run

16:00 UTC 20 Sep to 07:00 UTC 21 Sep and 16:00 - 24:00 UTC 21 Sep

Mode: CW, SSB, Digital

Bands: 160, 80, 40, 20, 15, 10 and 6 m

Classes: Single Op - CW, SSB, Digital and Mixed - QRP, Low or High; Multi-Single (WA/Non-WA); WA Club Single Transmitter; WA Club Two Transmitters; WA Single Op Mobile (CW/SSB/Digital/Mixed); WA Multi-Op Mobile; WA Single Op Roving (CW/SSB/Digital/Mixed); WA Multi-Op Roving; WA Single Op Single Xmtr County DXped (CW/SSB/Digital/Mixed); WA Multi-Op Single Xmtr County DXped; WA Multi-Op Two Xmtr County DXped; Unlimited (see rules)

Exchange: WA: RS(T) and County; non-WA: RS(T) and state, province or country

Work stations: Once per band per mode per county

QSO Points: 2 points per phone QSO; 4 points per CW or digital QSOs

Bonus: 500 points per QSO with W7DX once per mode (max of 1500 points)

Multipliers: WA: Each WA county, state, province, DXCC entity once; non-WA: Each WA county once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 31 October 2008

E-mail logs to: salmonrun[at]wwdxc[dot]org

Mail logs to: Western Washington DX Club, PO Box 395, Mercer Island, WA 98040, USA

Find rules at:

www.wwdxc.org/files/SalmonRun/Washington%20Salmon%20Run%20Rules%20-%202008.pdf



QCWA Fall QSO Party

18:00 UTC 20 Sep to 18:00 UTC 21 Sep

Mode: CW/Digital, Phone

Bands: 160, 80, 40, 20, 15, 10 and VHF/UHF

Classes: CW Only; Phone Only; Mixed

Exchange: last 2 digits of year first licensed and state, province, country or QCWA chapter

Work stations: Once per band regardless of mode

QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO

Multipliers: (see rules)

Score Calculation: Total score = total QSO points x total mult points

Submit logs by: 21 October 2008

E-mail logs to: w2od[at]aol[dot]com

Mail logs to: W2OD, Robert Buus, 8 Donner Street, Holmdel NJ 07733-2004, USA

Find rules at: www.qcwa.org/2008-qso-party-rules.htm

Feld Hell Sprint

20:00 - 22:00 UTC 20 Sep

Mode: Feld Hell

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: (none)

Max power: 100 watts

Exchange: FH Club Member: RST and state, province or country and member no; non-Member: RST and state, province or country and age

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 3 points per QSO with FH Club member

Bonus Points: (see rules)

Multipliers: Each state, province and country once only

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 1 October 2008

E-mail logs to: (none)

Post log summary at:

www.bambinomusical.com/autolog.html

Mail logs to: (none)

Find rules at:

<http://sites.google.com/site/feldhellclub/Home/contests>



Run for the Bacon QRP Contest
 01:00 - 03:00 UTC 22 Sep
 Mode: CW
 Bands: 160, 80, 40, 20, 15 and 10 m
 Classes: Single Band; All Band
 Max power: 5 watts
 Exchange: RST and state, province or country and Member No or power
 Work stations: Once per band
 QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on

same continent; 5 points per QSO with member on different continent
 Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members worked
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 29 September 2008
 E-mail logs to: (none)
 Upload log at: www.fpggrp.com/autolog.php
 Mail logs to: (none)
 Find rules at: www.fpggrp.com/fpggrpun.php

Next Week's Contests

SKCC Sprint, 00:00 - 02:00 UTC 24 Sep
 RSGB 80 m Club CW Sprint, 19:00 - 20:30 UTC 24 Sep
 BCC QSO Party, 17:00 - 19:00 UTC 25 Sep
 NCCC Sprint, 02:30 - 03:00 UTC 26 Sep
 CQ Worldwide DX RTTY Contest, 00:00 UTC 27 Sep to 24:00 UTC 28 Sep
 Scandinavian Activity Contest SSB, 12:00 UTC 27 Sep to 12:00 UTC 28 Sep
 Texas QSO Party, 14:00 UTC 27 Sep to 02:00 UTC 28 Sep and 14:00 - 20:00 UTC 28 Sep
 UBA ON CW Contest, 06:00 - 10:00 UTC 28 Sep

SARL VHF and UHF Contests

Aim. To promote activity on the VHF and UHF bands. The Contest is open to all licensed Radio Amateurs in South Africa and neighbouring states.

Dates. The third full weekend of March and September each year. [15 and 16 March 2008 and 20 and 21 September 2008]

Times. 10:00 UTC [12:00 CAT] on the Saturday to 10:00 UTC [12:00 CAT] on the Sunday.

Categories. Fixed Stations - Single-operator or Multi-operator. Portable/Field Stations - Single-operator or Multi-operator. Limited Category Station. This is a roving, portable or fixed station operating for a limited period during the contest, not to exceed four hours. Multiple entries in this category can be made by the same station but each entry shall be from a different grid square. Limited category operations should be advertised in advance if possible and should provide an equal opportunity to all stations wishing to work them. While no minimum operating period is laid down, between two and four hours would be expected. The operating period will begin when the first contest contact is logged. Short Wave Listener (SWL)

Contacts. All modes are allowed - FM, SSB, CW and Digital modes. Contacts via Tropo, MS and EME and when the band is open on 6 metres - TEP or F2 are allowed. Use of the DX Cluster and other spotting networks (including internet facilities) is allowed in the contests. Any band may be used for setting up contacts or talk back. No confirmation of QSO details shall take place on the talk back frequency. All exchanges for the contest band in use shall be made on



that band. The talk back channel can be used for antenna alignment signals and confirmation that signals are audible, but not for giving reports and serial numbers.

Exchange. The contest exchange consists of the call signs, signal report and six-digit grid locator. A signal report is optional on digital modes such as JT44 and JT65. All the exchange information shall be copied at the time of the QSO. No points will be forfeited if a non-competing station cannot provide a grid locator, or any other information that may be required. However, the receiving operator shall receive and record sufficient information to be able to calculate the score.

Frequencies. The following frequency bands may be used - 50 to 51,5 MHz; 70 to 70,300 MHz; 144 to 145,55 MHz; 432 to 433,6 MHz; 1296 to 1296,5 MHz and higher frequencies as per band plan. Participants shall adhere to all sub-bands as specified in the IARU Region 1 and SARL band plans. In particular, the operators of 4 metre and 6 metre stations shall adhere to accepted practices if continental DX openings occur and ensure that recognised DX calling frequencies are not utilised for prolonged periods.

Band multipliers. The core for each band will be the number of points made on that band multiplied by the number of grid multipliers contacted on that band multiplied by the band multiplier. Each new multiplier shall be clearly marked in the log. 6 m x1; 4 m x2; 2 m x3; 70 cm x 5; 23 cm x 7 and all higher frequencies x 7

Scoring. Scoring will normally be 1 point per kilometre. Contacts with stations in the same small locator square, e.g. KG44ee to KG44ee, will score 1 point. Maximum distance claimed will only be 1 500 km per contact regardless of the actual distance worked.

Stations running 50 watts or less into antenna multiply their final score for that specific band by 1.5

Field stations multiply the final score by 1.5

Multi-band participants will contain an overall results table in addition to the individual band results.

The scores in this final tabulation are the sum of the normalised scores on each band. The normalised scores will be calculated by: normalised score for each band = (Score achieved x No of grids worked x band multiplier); for (field stations x 1.5) and for (QRP x 1.5 for that band only).

Only one scoring contact may be made with a given station on each band per session, regardless of suffix (/P, /M, etc.) unless that station has moved to a different grid square.

Cross-band contacts and those made using repeaters or satellites will not count for points.

Awards and Results. A winner will be determined for each ZS division. The overall winner will be the station from all divisions with the highest score.

Sponsor. The Contest Committee, PO Box 12104, Brandhof, 9324.
E-mail hfcontests@netactive.co.za

